

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO.90-107
NPDES NO. CA0028231

WASTE DISCHARGE REQUIREMENTS FOR:

DESOTO, INC.
UNION CITY, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Desoto, Inc., hereinafter called the discharger, located at 1205 Alantic Street in Union City operates a facility for the manufacture of powdered detergents. By application dated November 29, 1989 the discharger has applied for reissuance of waste discharge requirements and a permit to discharge stormwater under the National Pollutant Discharge Elimination System (NPDES).
2. The discharger manufactures powdered detergents for consumer and institutional use.
3. Stormwater runoff from portions of the discharger's 5.5 acre plant area can contain pollutants from the storage and handling of caustics, acids and detergent base materials used in the discharger's operation. These areas are shown as areas A and B in attachment A of this Order. Runoff from these areas is sampled to determine compliance with effluent limitations. The runoff is pumped to a storage tank until it is determined to be in compliance with the effluent limitations at which time further runoff is discharged to a storm sewer on Alantic Avenue which in turn empties into Alameda Creek.
4. The discharge is presently governed by Waste Discharge Requirements, Order No. 85-13, which allows discharge into Alameda Creek.
5. Under the terms of these Waste Discharge Requirements and the effluent limitations contained herein, this discharge is not considered to have particular characteristics of concern as defined in the Basin Plan, and thus the Basin Plan prohibition against discharges with particular characteristics of concern into non-tidal waters or dead end sloughs is not applicable.

6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) in December 1986. The State Water Resources Control Board approved it in May 1987. The Basin Plan contains water quality objectives for Alameda Creek and contiguous waters.
7. The beneficial uses of Alameda Creek and contiguous water bodies are:
 - o Water contact recreation
 - o Non-contact water recreation
 - o Wildlife habitat
 - o Warm and cold freshwater habitat
 - o Fish migration and spawning
 - o Navigation
 - o Agricultural supply
 - o Groundwater recharge
8. Effluent limitations, toxic effluent standards, established pursuant to Section 301, 304, and 307 of the Clean Water Act and amendments thereto are applicable to the discharge.
9. Effluent limitation guidelines requiring the application of best available technology economically achievable (BAT) have not been promulgated by the U.S. Environmental Protection Agency for this type of discharge. Effluent limitations of the Order are based on the Basin Plan, State Plans and Policies, current plant performance, and best professional judgement. The limitations are considered to be those attainable by BAT, in the judgement of the Board.
10. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 of Division 13) of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
11. The Board has notified the discharger and interested agencies and persons of its intent to reissue waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT Desoto, Inc. in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean

Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. The discharge of any wastewater during dry weather to waters of the State is prohibited.

B. Effluent Limitations

1. The discharge shall not contain methylene blue active substances (MBAS) in excess of 30 mg/l as an average of three samples collected in any given day.
2. The pH of the discharge shall not exceed 9.0 nor be less than 6.0.
3. In any representative set of samples, the waste as discharged shall meet the following limit of quality:

TOXICITY: The survival of three-spine stickleback or fathead minnow (or rainbow trout) in a 96-hour static or static-renewal bioassay shall not be less than the following:

- a. Any four consecutive determinations: 90 percentile value of 70% minimum.
- b. Average of any three or more consecutive determinations: 90% median.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or

waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:

- a. Dissolved Oxygen 7.0 mg/L minimum. Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen
- b. pH Variation from natural ambient pH by more than 0.5 pH units.
- c. Un-ionized ammonia 0.025 mg/L as N Annual Median
0.4 mg/L as N maximum.

3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions


1. Open areas of the plant subject to possible contamination from plant activities shall be swept regularly to minimize contamination of runoff. Area B (dry chemical storage area) as shown in attachment A, shall be swept weekly and prior to the onset of any possible rain.
2. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 85-13 adopted on February 20, 1985. Order No. 85-13 is hereby rescinded.
4. The discharger shall comply with all sections of this order immediately upon adoption.
5. The discharger shall review and update annually its

contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.

6. The discharger shall comply with the self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
7. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated December 1986, except items B.2 and C.8.
8. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).
9. Pursuant to Environmental Protection Agency regulations [40 CFR 122.42(a)] the Discharger must notify the Regional Board as soon as it knows or has reason to believe (1) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (2) a discharge of a toxic pollutant.
10. This Order expires August 15, 1995. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
11. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Steven R. Ritchie, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by

the California Regional Water Quality Control Board, San Francisco Bay Region on August 15, 1990.



STEVEN R. RITCHIE
Executive Officer

Attachments:

Standard Provisions & Reporting
Requirements, December 1986
Self Monitoring Program
Resolution 74-10

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

DESOTO, INC.

UNION CITY FACILITY

UNION CITY, ALAMEDA COUNTY

NPDES NO. CA0028231

ORDER NO. 90-107

SMP CONSISTS OF

PART A, dated December 1986

AND

PART B, Ordered August 15, 1990

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the western stormwater collection facilities between the point of discharge from the containment area and the point at which all stormwater tributary to that outfall is present.
E-002	At any point in the outfall from the eastern stormwater collection facilities between the point of discharge from the containment area and the point at which all stormwater tributary to that outfall is present.

B. LAND OBSERVATIONS

<u>Station</u>	<u>Description</u>
L	Areas of the plant where there is the possibility of contamination from plant activities and which are subject to rainfall and runoff.

II. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis is given in Table I (attached).

III. MODIFICATIONS OF PART A

Delete items D.2.a., E.1.e., E.1.f., E.5.b., F.3., F.5., G.4.c. Instead of monthly reporting as specified in G.4., written reports shall be filed quarterly.

IV. MISCELLANEOUS REPORTING


A. Violations of any permit limitations shall be reported on the quarterly transmittal letter accompanying the self-monitoring report in the following format or equivalent:

1. Parameter of	Violation	Permit	Value (or range
<u>Violated Limit</u>	<u>Ratio</u>	<u>Limit</u>	<u>of values) of</u>
			<u>Violation</u>

2. Remedy or proposed remedy to restore compliance.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 90-107.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.


 STEVEN R. RITCHIE
 Executive Officer

DATE ORDERED AUGUST 15, 1990

Attachments: Table I - Schedule for Sampling, measurements, and analysis

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001	E-002					
	*	*					
TYPES OF SAMPLES	G	G					
pH (units)	2/M	2/M					
	**	**					
Toxicity, & Survival	Q	Q					
All applicable standard observation	2/M	2/M					
MBAS (mg/l)	2/M	2/M					

LEGEND

Q = Quarterly
 G = Grab sample
 O = Observations
 E = Waste effluent station
 M = One day each month
 2/M = Two days each month
 Y = One day each year

* Take a minimum of 3 grab samples on day of sampling. The first sample for each day shall be taken during the first hour of discharge, and the others at equal time intervals thereafter. The three samples shall be combined and analyzed.

**The samples collected from E-001 and E-002 may be combined, in proportion with the respective flow rates, for this analysis. Samples are to be taken during the months of November and February.

